Dexcom® is partnering with Qualcomm Life to make its G4™ Platinum continuous glucose monitoring system compatible with the 2net™ Hub that enables physicians and researchers to collect data seamlessly from the patients’ home.

Dexcom Inc., headquartered in San Diego, California, is developing and marketing continuous glucose monitoring (CGM) systems for ambulatory use by patients with diabetes and by healthcare providers in the hospital. The Dexcom G4 PLATINUM CGM system consists of just three parts: a sensor, transmitter, and monitor. The tiny sensor – about the diameter of a human hair —is inserted by the user under the skin on the abdomen. A small transmitter sends data wirelessly to a sleek and small monitor, which easily fits in a purse or pocket. It provides data every 5 minutes for up to 7 consecutive days, quickly and easily showing the body’s response to medication, food, and exercise. If users are outside their target zones, configurable alarms alert them so that they can take action. The Dexcom G4 PLATINUM CGM system has received both FDA and CE Mark approval.

To learn more, visit www.dexcom.com

Partnering Success

“With the 2net Hub, patients can more easily upload data from home without a computer, telephone line or internet access which simplifies the process of data collection, thus improving access to glucose information for clinicians and researchers.”

Richard Yang
VP of Corporate Sales & Connected Solutions

By engaging with Qualcomm Life, Dexcom is able to say “Goodbye” to the challenges of uploading data from home and say “Hello” to improved access to data for patients with diabetes.
**Goodbye limited data. Hello improved data access.**

**CHALLENGE**

One of the most challenging aspects in managing clinical trials in diabetes research is the collection of data. Currently, the management of glucose data can be difficult when relying on patients to test episodic blood glucose levels using a traditional blood glucose meter from home at prescribed intervals throughout the day. Aside from patient compliance issues, the collection of data can be daunting when relying on manual processes ranging from self-reported patient outcomes on paper, to electronic systems that require a multitude of steps to follow on a daily basis. Traditionally, the amount of glucose information available to researchers has been limited to the few episodic glucose measurements per day, which makes it difficult to evaluate the potential benefits of new drug therapies being developed for diabetes management, especially when the density of the data available is not enough to provide relevant insights such as glycemic variability.

Dexcom’s continuous glucose monitoring (CGM) systems are being used by researchers and pharmaceutical companies to collect glucose information in clinical trials where glucose values are captured every 5 minutes for up to seven consecutive days per CGM session. With 2net compatibility, clinical trial patients can now easily upload Dexcom CGM data from home in just one simple step, and the data is securely delivered to the study Sponsor. This minimizes the need for clinical trial patients to return to clinics just to download data during a study and may help improve overall compliance in capturing valuable data while reducing human errors due to traditional manual data transfers and data entry procedures. The data management time savings in addition to the density of information collected may be of considerable value to researchers moving forward.

**SOLUTION**

The 2net Platform from Qualcomm Life enables clinical trial subjects utilizing Dexcom’s G4 Platinum continuous glucose monitors to upload their data on a daily basis. The data is then sent to a secure cloud via the 2net Platform where it is transformed into the required format and delivered directly to the study Sponsor’s database for further evaluation. A once laborious and time-consuming process with areas of risk for human error has been minimized to a few simple steps with secure data transfers. Furthermore, the ease of data capture where patients live and work potentially improves both patient compliance and data quality. The incremental costs associated with clinical trial data collection and data management in terms of man-hours and logistical expenses can be significantly reduced with this novel platform which is currently for investigational use only with Dexcom’s G4 Platinum CGM system.

**GOAL**

By partnering with Qualcomm Life and joining the 2net Ecosystem, companies and research centers focused on diabetes have access to several sources of health data that can impact diabetes management, such as glycemic variability, weight, blood pressure and more. Patient compliance is often challenging and this method of information collected directly from the patient’s home opens the door to a new way of managing clinical studies and improving patient compliance and satisfaction.

**Why Qualcomm Life?**

**Partnership with Qualcomm Life is eliminating data management challenges by offering a method to collect and transfer meaningful data from the Dexcom G4 Platinum CGM systems to researchers and physicians for specific clinical trial use cases. The reliability and availability of the data combined with the solutions enabled by integration with the 2net Ecosystem allows a company like Dexcom to achieve its goals and provide an offering that can truly revolutionize how we research and provide care for people with diabetes.**

**Benefits**

Until Dexcom’s collaboration with Qualcomm Life, the company experimented with a series of programs that were time intensive. The engineering skills and wireless “knowhow” that Qualcomm Life now brings to Dexcom enables easy-to-obtain data that can be delivered seamlessly and securely anywhere, anytime.

**Connecting with an Experienced Partner**

With over 25 years of proven success in the wireless space, Qualcomm Life offers Dexcom:

- A global footprint with top-notch engineering and unrivaled wireless expertise
- Reliable and secure data transfers
- An ecosystem of partners dedicated to improving wireless health devices
- One-of-a-kind two-way functionality that is easy to integrate

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**The future of the Dexcom Pipeline**

Dexcom will be tracking customer satisfaction as well as improvement in work flow, including time and cost savings. With an easy-to-use, at home device, the Dexcom G4 Platinum CGM offering may allow researchers and companies to improve data capture, compliance and outcomes, eventually leading to better informed research teams as study Sponsors discover valuable new therapies to help with diabetes management.

To learn more about Qualcomm Life and how 2net technology can help your business, visit: qualcommlife.eu.